

**Region 5 ICF-ESAT Document Control Number: 00201**  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V  
SUPERFUND AND EMERGENCY MANAGEMENT DIVISION

DATE:

SUBJECT: Review of Data  
Received for Review on: 10/12/2021

FROM: Josephine Heathman, ICF Incorporated  
Contractor, Environmental Services Assistance Team (ESAT)

THROUGH: Michelle Kerr  
Region 5 ESAT Contracting Officer's Representative

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**This package was requested and reviewed as a Stage 4 Validation Electronic and Manual Deliverable (S4VEM)**

We have reviewed the data for the following case:

SITE Name: Southeast Rockford Groundwater Contamination – Area 7 (IL)

Case No: 49661 MA No: N/A SDG No: EW5H7 SOW: SFAM 01.1

Number and Type of Samples: 10 WATERS (10 SVOA, 5 SVOA-SIM)

Sample Numbers: EW5H7-EW5H9, EW5J0, EW5K2, EW5K4-EW5K7, EW5K9

Laboratory: ETB

Hrs. for Review: 15

Following are our findings:

Case No: 49661

SDG No: EW5H7

Site Name: SE Rockford GW Contamination – Area 7 (IL) Laboratory: ETB

**Below is a summary of the out-of-control audits and the possible effects on the data for this case:**

Eleven (10) water samples labeled EW5H7-EW5H9, EW5J0, EW5K2, EW5K4-EW5K7, EW5K9, were shipped to Eurofins Test America, located in South Burlington, VT. Samples were collected on 9/29/21 and received on 10/01/21 intact and properly cooled. All samples were analyzed for SVOA, and 5 samples were analyzed for SVOA-SIM, according to CLP SOW SFAM01.1, [Nov 2020] and reviewed according to the SE Rockford Area 7 GMZ QAPP Rev 4 [May 2021], the November 2020 NFG for SFAM01.1 and the Region 5 Organic CLP Validation SOP R5-LSASD-005-r0.

CLP Sample ID	Sample Identifier	Matrix	Collection Date	SVOA Analysis	SVOA-SIM Analysis
EW5H7	A7-MW105A-210929	Water	09/29/2021 11:30:00	X	
EW5H8	A7-MW105B-210929	Water	09/29/2021 09:50:00	X	
EW5H9	A7-MW105C-210929	Water	09/29/2021 10:35:00	X	
EW5J0	A7-MW105D-210929	Water	09/29/2021 09:00:00	X	
EW5K2	A7-MW143-210929	Water	09/29/2021 11:05:00	X	X
EW5K4	A7-MW145-210929	Water	09/29/2021 11:30:00	X	X
EW5K5	A7-MW147-210929	Water	09/29/2021 08:30:00	X	X
EW5K6	A7-MW148-210929	Water	09/29/2021 08:35:00	X	X
EW5K7	A7-MW149-210929	Water	09/29/2021 09:50:00	X	X
EW5K9	A7-MW602-210929	Water	09/29/2021 14:00:00	X	X

Sample EW5H9 and EW5K4 were designated by the samplers to be used for laboratory QC, i.e., MS/MSD analyses.

Sample EWK9 was identified as a field blank.

1, 4-Dioxane was detected in the full scan analyses for EW5H9, EW5H7, EW5H8 and EW5J0. Therefore SVOA-SIM analyses were cancelled.

The sample results have been reviewed for compliance with the QAPP worksheets and all non-compliance are described in Section 17. – QAPP Compliance

Reviewed by: Josie Heathman

Date: 12/02/2021

Case No: 49661

SDG No: EW5H7

Site Name: SE Rockford GW Contamination – Area 7 (IL) Laboratory: ETB

**1. PRESERVATION AND HOLDING TIMES**

NONE FOUND

**2. GC/MS and GC/ECD INSTRUMENT PERFORMANCE CHECK**

NONE FOUND

**3. INITIAL CALIBRATION**

NONE FOUND

**4. INITIAL CALIBRATION VERIFICATION**

NONE FOUND

**5. CONTINUING CALIBRATION**

NONE FOUND

**6. BLANKS**

NONE FOUND

**7. DEUTERATED MONITORING COMPOUNDS / SURROGATES**

NONE FOUND

**8. MATRIX SPIKE/MATRIX SPIKE DUPLICATE**

NONE FOUND

**9. CLEANUP PROCEDURES**

NONE FOUND

**10. LABORATORY CONTROL SAMPLE**

NONE FOUND

**11. INTERNAL STANDARD**

NONE FOUND

**12. TARGET ANALYTE QUANTITATION LIMIT**

Reviewed by: Josie Heathman

Date: 12/02/2021

Case No: 49661

SDG No: EW5H7

Site Name: SE Rockford GW Contamination – Area 7 (IL) Laboratory: ETB

**Method – Semivolatiles**

EXES-790

The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

EW5K4

1,4-Dioxane

**Method – Semivolatiles SIM**

EXES-790

The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

EW5K4

1,4-Dioxane

**13. TENTATIVELY IDENTIFIED COMPOUNDS**

Not Validated.

**14. SYSTEM PERFORMANCE**

NONE FOUND

**15. FIELD QC SAMPLES**

NONE FOUND

**16. SAMPLE RESULTS**

NONE FOUND

**17. QAPP COMPLIANCE**

The analytical package fulfilled the QAPP QC components requirements identified in worksheets #12, #15, #19, #35 and #36.

Reviewed by: Josie Heathman

Date: 12/02/2021

## Validation Data Qualifier Sheet

QualifiersData Qualifier Definitions

U	The analyte was analyzed for but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the results may be biased high.
J-	The result is an estimated quantity, but the results may be biased low.
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
C	The Target Pesticide or Aroclor analyte identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).
X	The Target Pesticide or Aroclor analyte identification was not confirmed when GC/MS analysis was performed.